

## ABSTRACT OF THE DISCLOSURE

1       A valve timing control system for an internal combustion engine has: a drive  
2 force transmitter or a chain sprocket; a cam shaft; a housing, a vane rotor; an  
3 advanced angle chamber and a delayed angle chamber; an oil pressure conveyer; a  
4 protrusion shaft; a target plate; and a sensor. The protrusion shaft is formed on at  
5 least one of the vane rotor and the housing, and protrudes forward. The target plate is  
6 mounted on at least one of the vane rotor and the housing. The target plate is formed  
7 substantially flat through a press molding, and is press fitted to the protrusion shaft.  
8 The target plate has a plurality of detector protrusions and one index protrusion. The  
9 detector protrusion and the index protrusion are equal in width.

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